REPORT

NMTBA
The Association For
Manufacturing Technology
Direct Dial: (703) 827-5260

STATISTICAL

No. 126-90 October 3, 1990

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – JULY 1990

(Values in Millions of U.S. Dollars)

	July 1990	June 1990	Average Apr.-June	Year to Date '90	Year to Date '89	% Change YTD '89-'90
METAL CUTTING MACHINE TOOLS						
Exports	$ 48.9	$ 44.0	$ 44.7	$ 356.2	$ 269.2	32.3%
Imports	$190.7	$137.8	$139.3	$1,034.2	$1,104.2	(6.3%)
Balance	($141.8)	($ 93.8)	($ 94.6)	($ 678.0)	($ 835.0)	(18.8%)
METAL FORMING MACHINE TOOLS						
Exports	$ 34.7	$ 42.7	$ 41.1	$ 274.4	$ 281.7	(2.6%)
Imports	$ 41.3	$ 45.0	$ 39.8	$ 273.2	$ 335.2	(18.5%)
Balance	($ 6.6)	($ 2.3)	$ 1.3	$ 1.2	($ 53.5)	N.M.
MACHINE TOOL TOTAL						
Exports	$ 83.6	$ 86.7	$ 85.9	$ 630.6	$ 550.8	14.5%
Imports	$232.0	$182.8	$179.0	$1,307.6	$1,439.5	(9.2%)
Balance	($148.4)	($ 96.1)	($ 93.1)	($ 676.9)	($ 888.7)	(23.8%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 27.9	$ 22.6	$ 25.1	$ 203.2	$ 131.8	54.2%
Imports	$119.9	$ 83.5	$ 92.4	$ 691.0	$ 767.0	(9.9%)
Balance	($ 92.0)	($ 60.9)	($ 67.3)	($ 487.8)	($ 635.2)	(23.2%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$135.7	$155.6	$156.8	$1,056.3	N.A.	N.A.
Imports	$164.2	$147.4	$160.1	$1,151.5	N.A.	N.A.
Balance	($ 28.5)	$ 8.2	($ 3.3)	($ 95.2)	N.A.	N.A.

Note: Numerically controlled machine tools is a subgroup of the machine tool total. N.A. = not available; N.M. = not meaningful; ( ) denotes negative. Individual items may not add up to totals due to rounding.

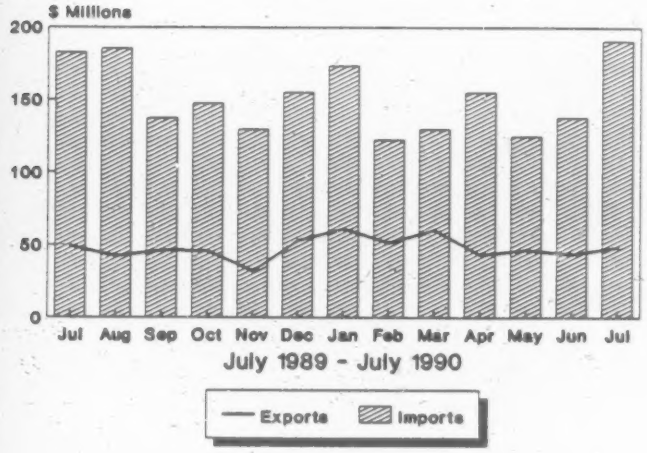
• Total U.S. machine tool imports jumped 27% in July over June to $232.0 million, the fourth highest monthly total ever. Year-to-date imports in 1990 through July were down 9% compared with the same period in 1989.

• Machine tool exports in 1990 through July were up 15% compared with 1989 at $630.6 million. The year-to-date machine tool trade deficit was down 24% in 1990 through July compared with 1989.

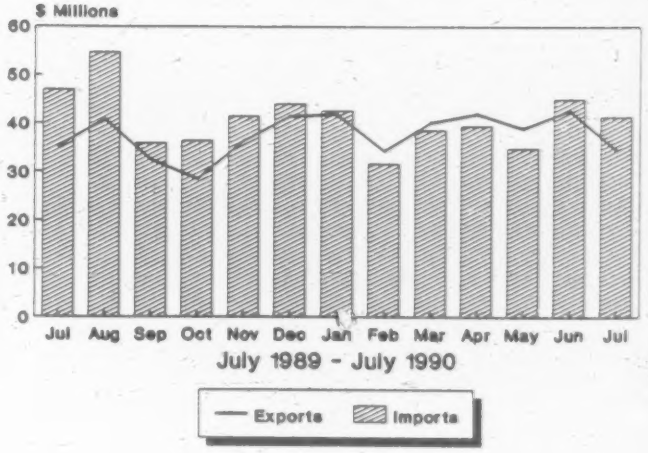
• Reversing three straight monthly declines, U.S. exports of numerically controlled machine tools rose 23% in July to $27.9 million; imports of NC machines rose 44% in July to $119.9 million.

U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

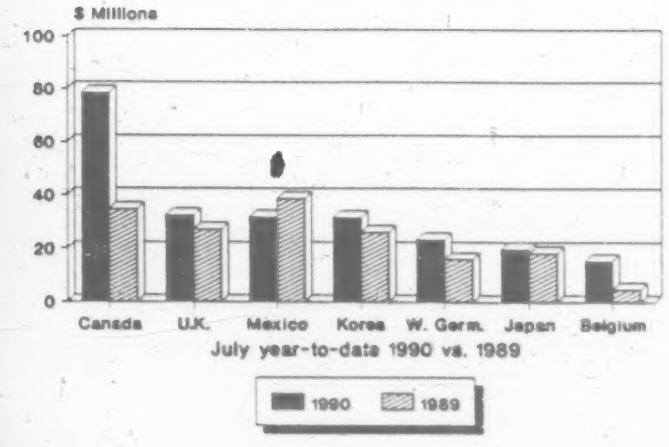
Exports

• Metal cutting exports in July were 11% higher than June at $48.9 million; year-to-date exports reached $356.2 million, 32% higher than 1989. Average monthly metal cutting exports so far in 1990: $50.9 million.

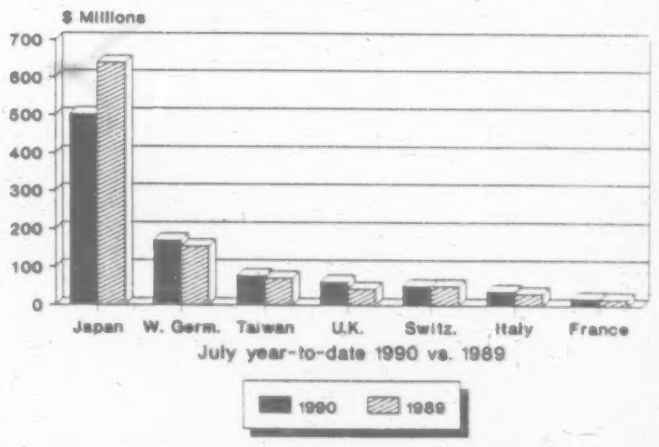
• Top metal cutting markets in July: Canada ($9.6 million); Taiwan ($4.8 million, including two non-knee type NC milling machines at $3.7 million); Japan ($4.3 million, including three gear cutting machines at $2.0 million); and South Korea ($4.1 million).

• Exports of boring and boring-milling machines in July ($3.2 million) were the highest since March 1989; exports of machining centers in July ($2.4 million) were the lowest since June 1989.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



Imports

• U.S. metal cutting imports rose 38% in July over June to a record $190.7 million. The previous high: $185.6 million in August 1989.

• Metal cutting imports from West Germany in July were $47.7 million, more than twice June's level and West Germany's highest monthly total ever. Included in the $47.7 million: eight machining centers not elsewhere classified valued at $17.5 million.

• Grinding machine imports were $38.4 million in July, up from $21.1 million in June. The major suppliers of grinding machines in 1990 through July: Japan ($59.9 million), West Germany ($48.4 million), and Switzerland ($14.0 million).

METAL FORMING MACHINE TOOLS

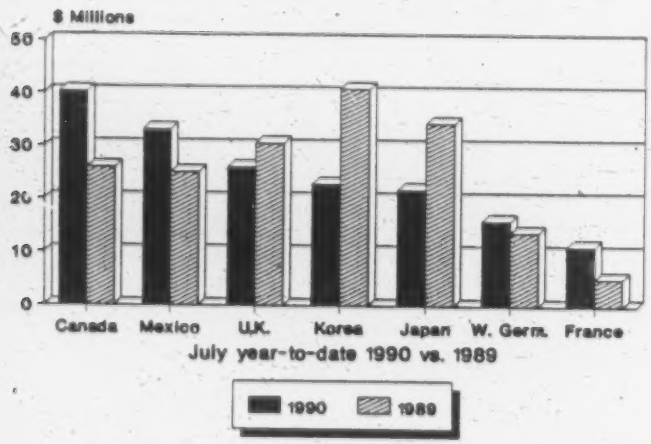
Exports

• U.S. exports of metal forming machines fell 19% in July to $34.7 million. Year-to-date exports: $274.4 million, down 3% from 1989.

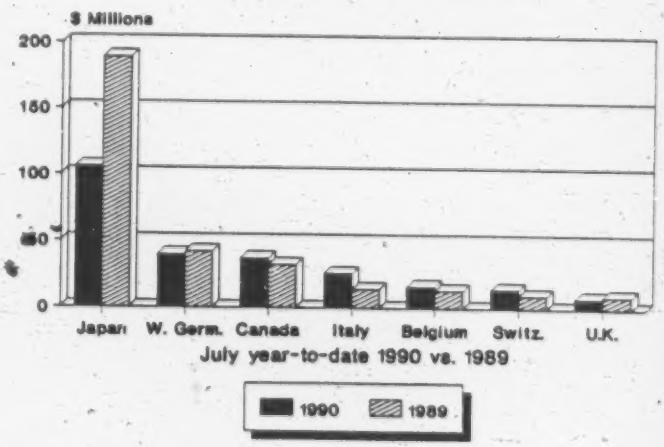
• Year-to-date metal forming exports to Canada were $40.4 million in 1990 through July, up from $26.0 million in 1989. Year-to-date exports to South Korea ($22.8 million) and Japan ($21.9 million) were down 44% and 36%, respectively, from 1989 levels. Exports in July to Indonesia totalled $2.2 million and included four used or rebuilt bending or folding machines valued at $1.6 million.

•Exports of presses in July fell to $5.0 million, down from an average of $9.8 million during the first six months of 1990.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



Imports

• Metal forming imports fell to $41.3 million in July from $45.0 million in June. The year-to-date total for 1990 through July: $273.2 million, down 19% from 1989.

• Year-to-date imports from Japan and West Germany were down 44% and 5%, respectively, from 1989 levels; imports from Canada and Italy were up 15% and 85%, respectively.

• Imports of presses fell in July ($6.8 million) after an unusually high June ($14.8 million). Imports of forging machines totalled $6.7 million in July; $5.1 million came from Japan.

OTHER MANUFACTURING TECHNOLOGY

Exports

• U.S. exports of other manufacturing technology totalled $135.7 million in July, the lowest monthly total for 1990. Exports of machine tool parts and accessories in 1990 through July were $416.8 million, compared with $405.0 million at the same time in 1989.

• Exports of industrial process control instruments were $6.1 million in July, the third straight monthly increase and the highest total since records have been kept starting in January 1989. The top markets so far in 1990: Japan ($4.1 million, including $3.1 million in July); the United Kingdom ($3.6 million); the Netherlands ($2.9 million) and Italy ($1.6 million).

Imports

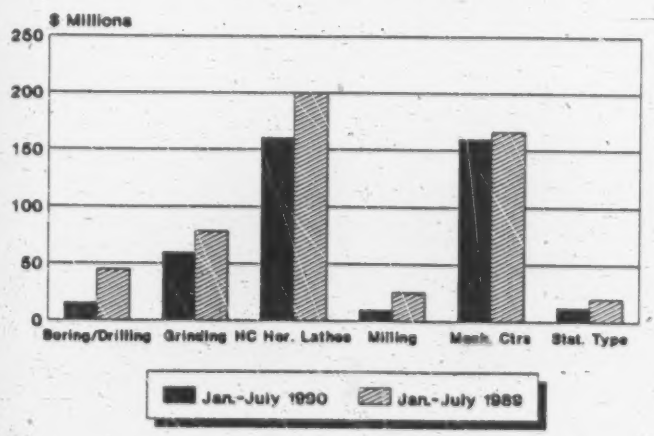
• U.S. imports of industrial robots and parts totalled $21.6 million in July for a year-to-date total of $144.3 million. Year-to-date imports of blow molding machines reached $27.7 million through July; the comparable figure for 1989: $27.0 million.

• Imports of injection molding machines for processing thermoplastics were $20.3 million in July for a year-to-date total of $144.1 million, 10% lower than last year. Imports of machine tool parts and accessories were $328.4 million in 1990 through July, down from $377.8 million in 1989.

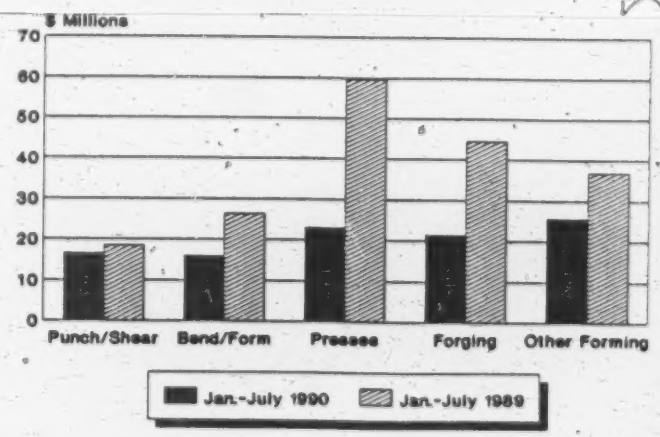
MONTHLY FOCUS

Although U.S. machine tool imports from Japan in July rose 28% over June to $101.1 million, year-to-date imports from Japan were down 27% compared with 1989. Imports were lower across the spectrum of machine types; only gear cutting machines and vertical lathes showed increases. For example, imports of milling machines in 1989 from Japan were $25.4 million; in 1990 they stood at $9.7 million. The charts below detail select U.S. machine tool imports from Japan for the first seven months of 1989 and 1990.

U.S. Machine Tool Imports From Japan
Metal Cutting Machines



U.S. Machine Tool Imports From Japan
Metal Forming Machines



1990 EXPORTS

METAL CUTTING

COUNTRY	JULY	JUNE	%CHANGE	JUL YTD'90	JUL YTD'89	%CHANGE
Canada	$ 9,558,187	$ 8,211,929	16.39%	$ 78,461,441	$ 34,714,093	126.02%
U.K.	2,514,315	3,138,964	-19.90	32,517,892	27,204,874	19.53
Mexico	3,302,782	4,588,718	-28.02	31,742,173	38,740,777	-18.07
Korea	4,061,765	5,810,559	-30.10	31,597,285	26,023,098	21.42
West Germany	1,679,859	2,650,471	-36.62	23,366,803	16,001,648	46.03
Japan	4,292,618	2,916,763	47.17	19,842,514	18,403,467	7.82
Belgium	1,336,072	3,144,388	-57.51	15,506,901	4,765,859	225.37
China	337,484	1,715,133	-80.32	12,251,382	15,879,081	-22.85
Italy	3,498,144	1,572,870	122.41	11,627,473	8,089,779	43.73
India	551,288	1,159,705	-52.46	10,675,717	6,957,158	53.45
Australia	254,051	300,188	-15.37	10,261,072	6,647,273	54.37
Brazil	840,075	1,257,004	-33.17	9,539,234	5,953,800	60.22
Taiwan	4,824,914	146,816	3,186.37	8,224,153	5,282,752	55.68
France	1,288,794	202,196	537.40	6,165,548	8,797,703	-29.92
Singapore	765,516	1,223,822	-37.45	5,169,313	5,283,866	-2.17
Spain	1,741,512	514,182	238.70	4,417,390	2,750,072	60.63
Switzerland	1,086,587	654,355	66.05	4,115,493	2,620,779	57.03
Venezuela	213,555	444,916	-52.00	3,872,097	4,575,161	-15.37
Netherlands	1,180,542	249,726	372.73	3,707,464	3,374,657	9.86
USSR	465,855	0	NA	3,707,174	729,360	408.28
Thailand	40,625	92,736	-56.19	1,186,283	1,549,907	-23.46
Malaysia	535,305	180,053	197.30	1,178,213	529,091	122.69
Austria	6,892	8,850	-22.12	196,941	875,190	-77.50
Indonesia	7,209	15,206	-52.59	138,051	3,164,510	-95.64

METAL FORMING

COUNTRY	JULY	JUNE	%CHANGE	JUL YTD'90	JUL YTD'89	%CHANGE
Canada	$ 4,733,985	$ 6,207,367	-23.74%	$ 40,372,241	$ 26,008,693	55.23%
Mexico	4,212,057	4,649,387	-9.41	33,204,808	25,074,367	32.43
U.K.	2,364,764	7,343,964	-67.80	26,092,024	30,576,477	-14.67
Korea	2,794,171	3,181,811	-12.18	22,848,009	40,963,650	-44.22
Japan	3,468,414	1,305,146	165.75	21,928,693	34,391,314	-36.24
West Germany	2,576,570	2,004,273	28.55	16,012,922	13,795,319	16.08
France	1,526,959	1,000,289	52.65	11,269,882	5,175,673	117.75
China	412,000	2,283,502	-81.96	10,878,929	7,239,274	50.28
Taiwan	652,523	1,286,302	-49.27	9,639,920	6,218,113	55.03
Italy	246,961	428,157	-42.32	5,906,682	6,242,575	-5.38
India	416,593	203,752	104.46	5,719,341	6,396,157	-10.58
Netherlands	668,319	723,419	-7.62	4,658,807	5,020,332	-7.20
Spain	1,147,429	1,680,213	-31.71	4,469,343	2,925,068	52.79
Brazil	1,323,186	452,704	192.29	4,069,335	3,900,313	4.33
Singapore	744,197	484,998	53.44	4,016,294	6,359,056	-36.84
Malaysia	783,382	1,418,351	-44.77	3,912,245	1,323,485	195.60
Australia	467,673	459,225	1.84	3,760,701	4,871,894	-22.81
Thailand	808,493	1,681,444	-51.92	3,236,827	1,907,800	69.66
Indonesia	2,195,049	19,930	10,913.79	2,246,143	140,452	1,499.22
Belgium	62,640	420,495	-85.10	2,156,630	1,797,217	20.00
Austria	90,303	29,463	206.50	1,722,788	649,505	165.25
Switzerland	114,823	370,469	-69.01	1,495,331	975,036	53.36
Venezuela	105,075	337,214	-68.84	968,175	6,026,221	-83.93
USSR	0	83,204	-100.00	694,819	107,711	545.08

TOTAL METAL CUTTING AND METAL FORMING

COUNTRY	JULY	JUNE	%CHANGE	JUL YTD'90	JUL YTD'89	%CHANGE
Canada	$ 14,292,172	$ 14,419,296	-0.88%	$118,833,682	$ 60,722,786	95.70%
Mexico	7,514,839	9,238,105	-18.65	64,946,981	63,815,144	1.77
U.K.	4,879,079	10,482,928	-53.46	58,609,916	57,781,351	1.43
Korea	6,855,936	8,992,370	-23.76	54,445,294	66,986,748	-18.72
Japan	7,761,032	4,221,909	83.83	41,771,207	52,794,781	-20.88
West Germany	4,256,429	4,654,744	-8.56	39,379,725	29,796,967	32.16
China	749,484	3,998,635	-81.26	23,130,311	23,118,355	0.05
Taiwan	5,477,437	1,433,118	282.20	17,864,073	11,500,865	55.33
Belgium	1,398,712	3,564,883	-60.76	17,663,531	6,563,076	169.13
Italy	3,745,105	2,001,027	87.16	17,534,155	14,332,354	22.34
France	2,815,753	1,202,485	134.16	17,435,430	13,973,376	24.78
India	967,881	1,363,457	-29.01	16,395,058	13,353,315	22.78
Australia	721,724	759,413	-4.96	14,021,773	11,519,167	21.73
Brazil	2,163,261	1,709,708	26.53	13,608,569	9,854,113	38.10
Singapore	1,509,713	1,708,820	-11.65	9,185,607	11,642,922	-21.11
Spain	2,888,941	2,194,395	31.65	8,886,733	5,675,140	56.59
Netherlands	1,848,861	973,145	89.99	8,366,271	8,394,989	-0.34
Switzerland	1,201,410	1,024,824	17.23	5,610,824	3,595,815	56.04
Malaysia	1,318,687	1,598,404	-17.50	5,090,458	1,852,576	174.78
Venezuela	318,630	782,130	-59.26	4,840,272	10,601,382	-54.34
Thailand	849,118	1,774,180	-52.14	4,423,110	3,457,707	27.92
USSR	465,855	83,204	459.89	4,401,993	837,071	425.88
Indonesia	2,202,258	35,136	6,167.81	2,384,194	3,304,962	-27.86
Austria	97,195	38,313	153.69	1,919,729	1,524,695	25.91

1990 IMPORTS

METAL CUTTING

COUNTRY	JULY	JUNE	%CHANGE	JUL. YTD' 90	JUL YTD' 89	%CHANGE
Japan	$ 82,868,942	$ 61,866,240	33.95%	$502,600,205	$639,924,771	-21.46%
West Germany	47,717,660	22,447,701	112.57	170,473,384	154,553,341	10.30
Taiwan	11,572,427	10,017,567	15.52	77,014,155	70,904,638	8.62
U.K.	8,188,425	9,276,274	-11.73	61,621,529	42,635,298	44.53
Switzerland	9,304,644	10,115,054	-8.01	51,009,993	50,700,447	0.61
Italy	5,467,288	6,879,295	-20.53	37,159,582	30,508,401	21.80
France	5,537,454	2,118,338	161.41	18,254,529	16,209,525	12.62
Spain	4,666,415	1,404,000	232.37	16,265,148	11,299,168	43.95
Canada	2,011,567	1,345,208	49.54	14,097,370	12,368,447	13.98
Singapore	1,772,163	1,036,513	70.97	12,556,124	8,500,465	47.71
Korea	603,361	1,933,092	-68.79	11,163,927	14,651,637	-23.80
Brazil	347,652	1,596,332	-78.22	9,002,076	3,478,017	158.83
Sweden	1,982,368	1,953,507	1.48	8,705,371	7,060,569	23.30
Belgium	11,578	75,000	-84.56	1,027,318	4,409,773	-76.70

METAL FORMING

COUNTRY	JULY	JUNE	%CHANGE	JUL YTD' 90	JUL YTD' 89	%CHANGE
Japan	$ 18,257,269	$ 16,849,910	8.35%	$105,903,270	$188,991,068	-43.96%
West Germany	6,335,644	9,090,733	-30.31	39,858,867	41,791,190	-4.62
Canada	6,662,784	5,790,298	15.07	37,303,640	32,385,013	15.19
Italy	2,613,845	2,947,774	-11.33	25,807,866	13,953,501	84.96
Belgium	1,650,249	2,959,103	-44.23	16,358,081	13,297,048	23.02
Switzerland	2,061,889	1,446,139	42.58	14,330,264	9,564,052	49.83
U.K.	620,830	1,451,611	-57.23	7,960,867	9,180,041	-13.28
Taiwan	869,450	1,128,375	-22.95	6,573,583	5,294,444	24.16
Sweden	599,386	726,707	-17.52	4,903,181	5,810,855	-15.62
Spain	310,629	210,141	47.82	2,811,010	1,741,948	61.37
France	312,238	1,172,596	-73.37	2,455,522	988,944	148.30
Korea	0	0	NA	123,692	174,508	-29.12
Singapore	7,908	3,954	100.00	64,967	722,752	-91.01
Brazil	0	0	NA	0	143,425	-100.00

TOTAL METAL CUTTING AND METAL FORMING

COUNTRY	JULY	JUNE	%CHANGE	JUL YTD' 90	JUL YTD' 89	%CHANGE
Japan	$101,126,211	$ 78,716,150	28.47%	$608,511,475	$828,915,839	-26.59%
West Germany	54,053,304	31,538,434	71.39	210,332,251	196,344,531	7.12
Taiwan	12,441,877	11,145,942	11.63	83,587,738	76,199,082	9.70
U.K.	8,809,255	10,727,885	-17.88	69,582,396	51,815,339	34.29
Switzerland	11,366,533	11,561,193	-1.68	65,340,257	60,264,499	8.42
Italy	8,081,133	9,827,069	-17.77	62,967,448	44,461,902	41.62
Canada	8,674,351	7,135,506	21.57	51,401,010	44,753,460	14.85
France	5,849,692	3,290,934	77.75	20,710,051	17,198,469	20.42
Spain	4,977,044	1,614,141	208.34	19,076,158	13,041,116	46.28
Belgium	1,661,827	3,034,103	-45.23	17,385,399	17,706,821	-1.82
Sweden	2,581,754	2,680,214	-3.67	13,608,552	12,871,424	5.73
Singapore	1,780,071	1,040,467	71.08	12,621,091	9,223,217	36.84
Korea	603,361	1,933,092	-68.79	11,287,619	14,826,145	-23.87
Brazil	347,652	1,596,332	-78.22	9,002,076	3,621,442	148.58

1990 U.S. EXPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1990		FEBRUARY 1990		MARCH 1990		APRIL 1990	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	2,899	12,224,015	4,543	10,935,156	5,847	11,979,000	4,803	14,929,198
Boring Machines	13	958,297	8	1,407,307	13	1,519,123	8	1,954,122
Drilling Machines	110	2,255,419	53	920,425	94	2,533,602	62	1,031,525
Gear Cutting Machines	41	5,554,867	19	3,700,605	17	3,507,653	4	342,956
Grinding Machines	271	15,211,730	228	10,470,138	459	12,592,065	306	10,686,858
Horizontal Lathes NC	43	4,863,833	35	5,062,164	35	2,648,406	39	5,237,685
Vertical Lathes NC	5	1,223,137	0	0	16	892,377	5	262,000
Lathes Non-NC	58	1,113,041	48	1,473,294	76	1,855,222	65	2,364,278
Milling Machines	48	3,596,641	29	3,228,995	75	5,272,375	32	3,018,604
Machining Centers	65	7,526,957	34	6,062,752	50	8,542,651	26	4,477,012
Station Type Machines	10	5,374,341	28	7,752,282	8	4,611,947	2	596,029
Other Metal Cutting	314	7,165,369	312	7,438,893	364	9,303,138	269	6,223,447
Punching & Shearing Machines	107	4,427,453	121	9,826,370	155	5,546,446	111	3,759,666
Bending & Forming Machines	137	5,902,352	125	3,466,071	128	5,372,091	177	6,400,347
Presses	259	11,682,624	130	6,795,010	273	10,390,057	191	11,017,558
Forging Machines	26	5,015,295	16	2,278,536	31	3,378,097	26	3,198,154
Other Metal Forming	265	8,974,698	264	5,154,346	312	10,516,058	203	9,968,707
TOTAL	4,671	103,070,069	5,993	85,972,344	7,953	100,460,308	6,329	85,468,146

PRODUCT TYPES	MAY 1990		JUNE 1990		JULY 1990		JULY '90 Y-T-D TOTALS	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	5,514	13,323,757	6,556	17,922,902	5,058	13,126,467	35,220	94,440,495
Boring Machines	23	2,694,052	28	725,470	16	3,194,775	109	12,453,146
Drilling Machines	141	1,391,074	120	1,137,000	61	1,735,259	641	11,004,304
Gear Cutting Machines	16	3,920,375	23	7,676,020	35	8,746,125	155	33,448,601
Grinding Machines	234	9,407,118	266	5,746,890	390	11,166,259	2,154	75,281,058
Horizontal Lathes NC	43	4,213,770	45	4,033,357	30	3,555,437	270	29,614,652
Vertical Lathes NC	4	245,844	1	63,000	5	276,808	36	2,963,166
Lathes Non-NC	60	1,105,382	85	1,435,017	65	899,416	457	10,245,650
Milling Machines	38	1,738,745	13	603,525	33	5,244,894	268	22,703,779
Machining Centers	23	4,666,577	39	6,176,997	24	2,387,041	261	39,839,987
Station Type Machines	2	2,487,300	0	0	1	245,000	51	21,066,899
Other Metal Cutting	484	5,316,601	378	6,376,676	267	4,712,434	2,388	46,536,558
Punching & Shearing Machines	162	6,578,641	178	7,923,077	143	5,170,365	977	43,232,018
Bending & Forming Machines	142	4,048,283	125	4,440,766	136	5,191,915	970	34,821,825
Presses	287	8,435,990	154	10,425,441	145	5,027,176	1,439	63,773,856
Forging Machines	67	6,501,594	40	3,738,610	42	5,222,953	248	29,333,239
Other Metal Forming	324	9,293,053	340	8,244,762	230	7,705,041	1,938	59,856,665
TOTAL	7,564	85,368,156	8,391	86,669,510	6,681	83,607,365	47,582	630,615,898

1990 U.S. EXPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	JULY 1989 Units	JULY 1989 Value	JULY'89 Y-T-D TOTALS Units	JULY'89 Y-T-D TOTALS Value
Used & Rebuilt & Under $2,500	4,243	14,523,609	31,822	89,949,907
Boring Machines	4	75,744	178	10,914,642
Drilling Machines	24	1,428,421	173	9,784,857
Gear Cutting Machines	55	5,208,745	166	22,054,513
Grinding Machines	392	19,501,133	2,285	75,177,039
Horizontal Lathes NC	13	1,512,085	139	13,966,315
Vertical Lathes NC	2	367,521	12	1,664,781
Lathes Non-NC	59	1,779,338	311	8,776,318
Milling Machines	74	4,101,114	377	19,887,672
Machining Centers	23	4,190,223	150	23,124,270
Station Type Machines	1	45,678	31	9,291,964
Other Metal Cutting	130	6,166,339	1,416	34,579,226
Punching & Shearing Machines	105	4,248,102	704	34,286,958
Bending & Forming Machines	84	2,346,841	636	29,395,382
Presses	97	8,025,313	895	45,314,682
Forging Machines	49	2,299,970	417	22,874,206
Other Metal Forming	252	8,625,468	2,695	99,797,850
TOTAL	5,607	84,445,644	42,407	550,840,582

PRODUCT TYPES	% CHANGE JUN 90' - JUL 90' Units	% CHANGE JUN 90' - JUL 90' Value	% CHANGE JUL 89' - JUL 90' Units	% CHANGE JUL 89' - JUL 90' Value	% CHANGE YTD 89' - YTD 90' Units	% CHANGE YTD 89' - YTD 90' Value
Used & Rebuilt & Under $2,500	-22.85	-26.76	19.21	-9.62	10.68	4.99
Boring Machines	-42.86	340.37	300.00	4,117.86	-38.76	14.10
Drilling Machines	-49.17	52.62	154.17	21.48	270.52	12.46
Gear Cutting Machines	52.17	13.94	-36.36	67.91	-6.63	51.66
Grinding Machines	46.62	94.30	-0.51	-42.74	-5.73	0.14
Horizontal Lathes NC	-33.33	-11.85	130.77	135.13	94.24	112.04
Vertical Lathes NC	400.00	339.38	150.00	-24.68	200.00	77.99
Lathes Non-NC	-23.53	-37.32	10.17	-49.45	46.95	16:74
Milling Machines	153.85	769.04	-55.41	27.89	-28.91	14.16
Machining Centers	-38.46	-61.36	4.35	-43.03	74.00	72.29
Station Type Machines	NA	NA	0.00	436.36	64.52	126.72
Other Metal Cutting	-29.37	-26.10	105.38	-23.58	68.64	34.58
Punching & Shearing Machines	-19.66	-34.74	36.19	21.71	38.78	26.09
Bending & Forming Machines	8.80	16.91	61.90	121.23	52.52	18.46
Presses	-5.84	-51.78	49.48	-37.36	60.78	40.74
Forging Machines	5.00	39.70	-14.29	127.09	-40.53	28.24
Other Metal Forming	-32.35	-6.55	-8.73	-10.67	-28.09	-40.02
TOTAL	-20.38	-3.53	19.15	-0.99	12.20	14.48

1990 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1990		FEBRUARY 1990		MARCH 1990		APRIL 1990	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	80,165	15,101,348	66,011	10,754,274	64,814	11,170,439	83,714	12,296,755
Boring Machines	40	2,511,474	57	2,665,242	41	2,141,056	47	1,821,173
Drilling Machines	187	5,976,518	66	1,331,591	131	4,767,643	113	3,595,961
Gear Cutting Machines	37	5,386,214	39	3,472,430	74	3,683,095	34	4,189,126
Grinding Machines	722	28,410,149	631	18,196,164	723	19,376,535	737	21,052,417
Horizontal Lathes NC	342	34,310,797	275	24,455,772	290	24,294,192	281	25,715,875
Vertical Lathes NC	23	2,826,480	9	1,890,507	10	1,702,771	6	1,455,000
Lathes Non-NC	609	9,691,329	474	8,086,596	812	10,071,175	976	10,109,253
Milling Machines	450	9,477,437	369	5,328,255	490	4,451,840	598	7,693,031
Machining Centers	368	44,495,101	262	28,896,262	270	30,976,925	344	48,979,703
Station Type Machines	16	4,428,004	9	2,400,678	15	3,697,896	41	8,192,567
Other Metal Cutting	543	14,026,009	390	15,984,088	381	15,326,449	425	12,556,824
Punching & Shearing Machines	110	5,701,791	122	5,391,216	203	8,518,187	146	3,941,347
Bending & Forming Machines	206	7,285,979	152	5,080,016	191	7,366,810	213	6,322,513
Presses	339	7,092,434	368	3,381,548	100	4,367,203	138	9,524,846
Forging Machines	82	8,532,715	121	5,829,041	104	5,559,426	69	3,905,455
Other Metal Forming	289	10,864,319	259	10,882,669	205	10,852,813	196	13,040,125
TOTAL	84,528	216,118,098	69,614	154,026,349	68,854	168,324,455	88,078	194,391,971

PRODUCT TYPES	MAY 1990		JUNE 1990		JULY 1990		JUL '90 Y-T-D TOTALS	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	81,467	13,702,955	85,374	12,270,934	76,189	13,858,003	537,734	89,154,708
Boring Machines	63	2,378,706	33	4,123,015	88	7,667,947	369	23,308,613
Drilling Machines	105	1,412,575	110	2,955,449	220	7,524,179	932	27,563,916
Gear Cutting Machines	60	1,682,253	14	2,742,090	28	3,959,955	286	25,115,163
Grinding Machines	761	22,855,644	751	21,054,909	780	38,441,928	5,105	169,387,746
Horizontal Lathes NC	246	26,717,053	257	26,221,605	306	27,483,344	1,997	189,198,638
Vertical Lathes NC	12	2,697,583	10	1,453,386	28	3,717,107	98	15,742,834
Lathes Non-NC	684	8,838,746	758	16,925,801	799	9,013,925	5,112	72,736,825
Milling Machines	498	6,400,652	481	7,074,128	558	9,880,698	3,444	50,306,041
Machining Centers	212	21,375,164	269	26,963,021	272	46,323,978	1,997	248,010,154
Station Type Machines	9	5,207,130	4	4,151,942	13	9,081,198	107	37,159,415
Other Metal Cutting	477	14,389,120	302	13,417,230	431	15,980,415	2,949	101,680,135
Punching & Shearing Machines	168	5,567,876	165	6,624,692	138	8,166,921	1,052	43,912,030
Bending & Forming Machines	245	7,810,331	181	8,443,572	162	6,083,506	1,350	48,392,727
Presses	410	4,231,697	74	14,834,727	281	6,834,799	1,710	50,267,254
Forging Machines	46	3,389,713	85	3,437,927	90	6,719,333	597	37,373,610
Other Metal Forming	198	11,187,287	186	10,134,241	297	11,238,578	1,630	78,200,032
TOTAL	85,661	159,844,485	89,054	182,828,669	80,680	231,975,814	566,469	1,307,509,841

1990 U.S. IMPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	JULY 1989 Units	JULY 1989 Value	JUL'89 Y-T-D TOTALS Units	JUL'89 Y-T-D TOTALS Value
Used & Rebuilt & Under $2,500	77,910	13,718,883	376,111	90,588,175
Boring Machines	81	7,293,496	523	37,840,681
Drilling Machines	104	5,203,287	1,070	51,213,722
Gear Cutting Machines	61	3,683,843	458	24,343,316
Grinding Machines	649	31,278,466	4,630	167,967,502
Horizontal Lathes NC	429	33,974,512	2,505	227,029,436
Vertical Lathes NC	11	5,265,883	92	15,656,550
Lathes Non-NC	503	7,584,504	3,148	53,552,409
Milling Machines	556	12,482,002	3,388	69,510,148
Machining Centers	335	38,239,581	2,055	228,783,445
Station Type Machines	26	10,264,530	128	37,363,486
Other Metal Cutting	442	15,809,995	2,973	113,976,593
Punching & Shearing Machines	243	9,209,241	1,127	46,814,109
Bending & Forming Machines	216	7,023,861	1,708	57,207,478
Presses	103	8,456,517	1,113	93,043,930
Forging Machines	189	9,336,801	1,044	59,234,318
Other Metal Forming	185	10,660,150	3,546	65,336,462
TOTAL	82,043	229,485,552	405,619	1,439,461,760

PRODUCT TYPES	% CHANGE JUN'90 - JUL'90 Units	% CHANGE JUN'90 - JUL'90 Value	% CHANGE JUL'89 - JUL'90 Units	% CHANGE JUL'89 - JUL'90 Value	% CHANGE YTD'89 - YTD'90 Units	% CHANGE YTD'89 - YTD'90 Value
Used & Rebuilt & Under $2,500	-10.76	12.93	-2.21	1.01	42.97	-1.58
Boring Machines	166.67	85.98	8.64	5.13	-29.45	-38.40
Drilling Machines	100.00	154.59	111.54	44.60	-12.90	-46.18
Gear Cutting Machines	100.00	44.41	-54.10	7.50	-37.55	3.17
Grinding Machines	3.86	82.58	20.18	22.90	10.26	0.85
Horizontal Lathes NC	19.07	4.81	-28.67	-19.11	-20.28	-16.66
Vertical Lathes NC	180.00	155.75	154.55	-29.41	6.52	0.55
Lathes Non-NC	5.41	-46.74	58.85	18.85	62.39	35.82
Milling Machines	16.01	39.67	0.36	-20.84	1.65	-27.63
Machining Centers	1.12	71.81	-18.81	21.14	-2.82	8.40
Station Type Machines	225.00	118.72	-50.00	-11.53	-16.41	-0.55
Other Metal Cutting	42.72	19.10	-2.49	1.08	-0.81	-10.79
Punching & Shearing Machines	-16.36	23.28	-43.21	-11.32	-6.65	-6.20
Bending & Forming Machines	-10.50	-27.95	-25.00	-13.39	-20.96	-15.41
Presses	279.73	-53.93	172.82	-19.18	53.64	-45.97
Forging Machines	5.88	95.45	-52.38	-28.03	-42.82	-36.91
Other Metal Forming	59.68	10.90	60.54	5.43	-54.03	19.69
TOTAL	-9.40	26.88	-1.66	1.09	39.66	-9.17

U.S. EXPORTS

Metal Cutting Machine Tools - July 90

RELEASED: October 3, 1990

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	42	3030	2	137
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	54	9250	4	482
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	11	2152	1	109
100035	Horiz. mach. ctrs., ATC	39	10736	4	1046
100045	Mach. ctrs., n.e.c.	157	17702	15	750
200010	Unit construction mach. (single station transfer), NC	0	0	0	0
200090	Unit construction mach. (single station transfer), non-NC	7	3468	0	0
300010	Multi-station transfer machines, NC	7	11259	0	0
300090	Multi-station transfer machines, non-NC	22	4138	0	0
8458110010	Horiz. lathes, multiple spindle, NC	18	4337	3	755
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	196	15019	15	1223
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	41	5525	11	1477
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	15	4734	1	100
190030	Horiz. engine or toolroom lathes, non-NC	78	1524	4	64
190050	Automatic bar and/or chucking mach., single spindle, non-NC	7	242	1	3
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	31	1471	4	238
190090	Horiz. lathes, n.e.c., non-NC	262	3016	49	346
911060	Vertical turret lathes, multiple spindle, NC	1	63	0	0
911080	Vertical turret lathes, n.e.c., NC	2	316	0	0
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	14	657	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	19	1927	5	277
991050	Vertical turret lathes, non-NC	26	609	3	37
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	53	3384	4	211
8459100000	Way-type unit head machines	15	2202	1	245
210080	Other drilling machines, NC	64	5486	10	811
290040	Drilling machines, multiple spindle, non-NC	23	1107	9	392
290050	Drilling machines, radial, non-NC	17	145	0	0
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	66	1228	14	226
290090	Drilling machines, n.e.c., non-NC	471	3039	28	306
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	3	1569	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	8	2856	5	1375
310070	Boring-milling mach., n.e.c., NC	12	675	4	290
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	2	250	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	21	799	0	0
400040	Boring machines, vertical, NC	3	1589	1	690
400050	Boring machines, vertical, non-NC	31	510	2	20
400070	Boring machines, n.e.c., NC	9	3308	2	772
400080	Boring machines, n.e.c., non-NC	20	896	2	48
510080	Milling machines, knee type, NC	15	1181	4	467
590030	Milling machines, knee type, non-NC	58	1896	9	347
610080	Milling machines, excl. knee type, n.e.c., NC	37	13793	4	3940
690050	Milling machines, profile, dup., or die sinking, non-NC	22	511	0	0
690070	Milling machines, bed type, non-NC	2	288	1	238
690090	Milling machines, n.e.c., non-NC	134	5035	15	253
700020	Threading or tapping machines, n.e.c., NC	21	880	5	131
700080	Threading or tapping machines, n.e.c., non-NC	268	2678	33	194
8460110080	Flat surface grinding mach., NC	42	4176	7	892
190010	Flat surface grinding mach., recip.-table type, non-NC	29	565	0	0
190050	Flat surface grinding mach., n.e.c., non-NC	23	3862	1	226
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	58	17366	9	2325
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	22	3321	6	1115
290030	Grinding mach., internal cylindrical, non-NC	27	2539	3	85
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	214	8975	32	1459
310080	Sharpening machines (tool & cutter grinding), NC	29	2924	3	1278
390050	Sharpening machines (tool & cutter grinding), non-NC	619	10602	158	1181
400060	Honing or lapping machines, NC	1	492	1	492
400080	Honing or lapping machines, non-NC	409	8868	58	628
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	6	765	0	0
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	675	10827	112	1485
8461100060	Planing machines, NC	1	111	0	0
100080	Planing machines, non-NC	206	5630	29	326
200010	Shaping or slotting machines, NC	3	87	0	0
200090	Shaping or slotting machines, non-NC	25	613	2	33
300060	Broaching machines, NC	10	1139	0	0
300080	Broaching machines, non-NC	18	1245	0	0
401050	Gear hobbers	20	2506	8	466
401070	Gear shapers	25	4911	7	1227
401090	Gear cutting machines, n.e.c.	62	22404	14	6823
405060	Gear grinding or finishing machines	48	3627	6	230
500050	Sawing or cutting-off machines, NC	92	3113	9	537
500090	Sawing or cutting-off machines, non-NC	869	11454	111	1644
9000000001	Metal cutting machine tools, n.e.c.	833	16557	76	1711
9800000001	Used or rebuilt machine tools	2906	37496	433	4374
9900000001	Machine tools valued at less than $2,500	21864	13539	3180	2341
	Cutting Total			4540	48879
	Y-T-D Cutting Total	31560	356193		
	NC Y-T-D Cutting Total*	1131	152856		

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - July 90

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	2	137
8457100015	0	0	0	0	0	0	0	0	3	368
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	1	222	0	0	1	237
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	2	655
110030	0	0	0	0	3	247	0	0	0	0
110050	0	0	0	0	8	832	1	226	2	419
110090	0	0	0	0	0	0	0	0	1	100
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	3
190070	0	0	0	0	0	0	0	0	2	201
190090	20	50	0	0	0	0	0	0	12	194
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	103
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	2	298
290040	0	0	0	0	0	0	0	0	8	367
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	12	114
290090	0	0	0	0	0	0	0	0	16	85
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	9
400070	0	0	0	0	0	0	0	0	2	772
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	3	412
590030	1	46	0	0	0	0	0	0	3	103
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	1	7	0	0	0	0	0	0	3	17
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	18	87
8460110080	0	0	0	0	0	0	0	0	2	622
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	1	49
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	2	140
310080	1	32	0	0	0	0	0	0	1	52
390050	3	21	0	0	0	0	0	0	77	639
400060	0	0	0	0	0	0	0	0	1	492
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	0	0	1	185	29	271
8461100060	0	0	0	0	0	0	0	0	0	0
100080	4	23	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	2	33
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	385	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	8	518
500090	1	23	0	0	0	0	0	0	28	449
9000000001	0	0	0	0	0	0	3	44	21	127
9800000001	0	0	2	7	0	0	0	0	71	1233
9900000001	76	53	0	0	27	36	0	0	245	252
Month Tot	107	254	2	7	39	1336	6	840	583	9558
Y-T-D Tot	1232	10261	87	197	375	15507	489	9539	3808	78461
NC YTD Tot*	14	4789	1	23	121	13900	13	2216	266	43932

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	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	1	114	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	2	37
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	2	117	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	5	1375
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	1	41	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	1	108
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	1	3	0	0	0	0	1	8
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	263
290010	0	0	2	935	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	9	304	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	7	101
900060	0	0	0	0	0	0	0	0	0	0
900080	1	4	0	0	1	7	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	1	31
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	2	1310
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	2	45	0	0	1	22
9000000001	0	0	0	0	0	0	1	3	0	0
9800000001	7	62	9	302	9	158	0	0	13	198
9900000001	0	0	88	49	63	38	7	4	69	44
Month Tot	12	337	100	1289	84	551	8	7	103	3498
Y-T-D Tot	165	12251	786	6166	578	10676	72	138	1022	11627
NC YTD Tot*	28	7814	44	2999	10	3031	0	0	46	3444

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	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	1	109	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	10	479	0	0	0	0	2	95	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	1	100	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	1	10	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	10	51	0	0	3	28	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	4	174	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	1	105	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	5	373	0	0
290040	0	0	0	0	0	0	0	0	1	26
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	1	3	0	0
290090	0	0	5	17	3	183	1	9	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	1	690	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	2	48	0	0
510080	0	0	0	0	0	0	1	55	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	1	238	0	0
690090	0	0	0	0	0	0	5	116	0	0
700020	0	0	0	0	0	0	1	22	0	0
700080	0	0	0	0	0	0	1	3	0	0
8460110080	0	0	0	0	1	22	1	165	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	3	131
290050	3	305	0	0	0	0	1	15	0	0
310080	0	0	0	0	0	0	10	169	0	0
390050	45	293	4	23	0	0	0	0	0	0
400060	0	0	0	0	0	0	2	29	0	0
400080	0	0	38	396	1	19	0	0	0	0
900060	0	0	0	0	0	0	1	21	0	0
900080	12	132	3	27	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	7	65	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	9	195	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	5	219	0	0	0	0	2	1008
401090	3	1959	6	1744	0	0	0	0	0	0
405060	0	0	6	230	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	9	76	4	59	0	0	23	284	0	0
9000000001	5	408	7	82	0	0	9	154	0	0
9800000001	133	332	23	454	1	10	69	483	0	0
9900000001	468	309	78	70	130	193	522	343	19	15
Month Tot	688	4293	190	4062	137	535	684	3303	25	1181
Y-T-D Tot	2747	19843	1082	31597	321	1178	5873	31742	324	3707
NC YTD Tot*	60	5920	52	9720	2	131	134	8371	9	860

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	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	1	99	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	2	28	0	0	0	0	1	10	0	0
995090	1	50	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	1	245	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
31004	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	2	3744	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	2	11	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	3	430	0	0	2	763	1	312	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	1	172	0	0	0	0	6	200	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	4	30	0	0	0	0	1	7
900060	0	0	0	0	0	0	0	0	0	0
900080	1	5	3	30	12	111	2	94	3	11
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	2	1425	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	2	9	0	0	4	78	0	0
9000000001	0	0	0	0	2	15	5	13	0	0
9800000001	1	30	1	3	13	148	0	0	0	0
9900000001	44	40	378	245	99	50	33	29	53	23
Month Tot	55	766	390	1742	128	1087	56	4825	57	41
Y-T-D Tot	936	5169	594	4417	764	4115	496	8224	179	1186
NC YTD Tot*	13	950	24	998	4	1182	18	5099	2	122

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	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	1	382	0	0	0	0	1	205	0	0
100045	1	65	0	0	2	111	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	9	650	0	0	0	0	0	0	2	228
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	3	54	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	4	23
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	2	56
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	24
290050	0	0	0	0	0	0	0	0	0	0
290070	1	109	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	3	12
310040	0	0	0	0	0	0	0	0	0	0
310070	1	185	0	0	0	0	1	51	2	54
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	10
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	3	117	1	40
610080	0	0	0	0	1	87	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	4	102
700020	4	110	0	0	0	0	0	0	0	0
700080	2	11	0	0	2	6	0	0	8	76
8460110080	0	0	0	0	0	0	0	0	3	83
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	1	226	0	0
210080	0	0	0	0	0	0	1	258	1	299
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	2	70	0	0
290050	0	0	0	0	0	0	0	0	1	168
310080	0	0	0	0	0	0	0	0	1	1194
390050	0	0	0	0	0	0	27	177	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	2	15	0	0	0	0	2	7	2	33
900060	0	0	0	0	0	0	0	0	0	0
900080	6	62	0	0	2	5	9	57	20	418
8461100060	0	0	0	0	0	0	0	0	0	0
100080	2	20	0	0	0	0	0	0	13	58
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	8	466	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	1	19	0	0	0	0	0	0	0	0
500090	14	323	0	0	0	0	4	61	19	217
9000000001	6	281	0	0	0	0	3	38	14	544
9800000001	21	129	0	0	0	0	18	398	42	427
9900000001	400	101	0	0	2	4	25	16	354	428
Month Tot	474	2514	8	466	9	214	97	1680	498	4495
Y-T-D Tot	2803	32518	23	3707	497	3872	1557	23367	4750	26725
NC YTD Tot*	144	21541	0	0	6	415	32	5292	88	10106

Please see notes on last page of the metal forming section.

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RELEASED: October 3, 1990

Metal Forming Machine Tools

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	218	6970	15	1376
8462100030	Headers and upsetters, including cold headers	36	11716	6	2160
100050	Forging or die stamping machines, and hammers, n.e.c.	212	17617	36	3063
210080	Bending, folding, straight. or flat. mach., incl presses, NC	190	14905	32	2289
290030	Press brakes, non-NC	110	2710	1	36
290040	Bending rolls, non-NC	57	1335	14	415
290050	Bending, folding, straight., or flat., n.e.c., non-NC	613	15872	89	2452
310080	Shearing machines, NC	52	5230	8	685
390050	Shearing machines, non-NC	223	5084	21	823
410080	Punching or notching mach., incl. comb. punch & shear, NC	115	17504	13	1968
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	587	15413	101	1694
910060	Hydraulic presses, NC	43	2972	5	335
910090	Hydraulic presses, non-NC	430	18433	47	912
990030	Presses, n.e.c., NC	106	9741	28	1261
990040	Presses, mechanical, non-NC	60	6947	7	690
990060	Presses, n.e.c., non-NC	800	25680	58	1828
8463100080	Draw benches for bars, tubes, profiles, wire or the like	106	2914	15	418
200080	Thread rolling machines	28	1478	1	86
300080	Machines for working wire	453	13961	102	2790
900080	Metal forming machine tools, n.e.c.	1133	34533	97	3034
9800000002	Used or rebuilt machine tools	2067	37148	219	5476
9900000002	Machine tools valued at less than $2,500	8383	6258	1226	935
	Forming Total			2141	34729
	Y-T-D Forming Total	16022	274423		
	NC Y-T-D Forming Total	506	50353		
	Cutting and Forming Totals:				
	Monthly Total			6681	83607
	Y-T-D Total	47582	630616		
	NC Y-T-D Total*	1637	203209		

Other Manufacturing Technology

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	416812	0	52520
2000000000	Parts for working rubber or plastics - heading 8477	0	168073	0	21958
2710003070	Quenching or cutting oils	0	15913	0	547
8428900010	Industrial robots for lifting, handling, loading or unload	237	4241	29	644
8431390090	Parts industrial robots, handling and loading - heading 8428	0	42622	0	5541
8456100000	Laser, light or photon beam for working any material	486	25567	80	5867
200000	Ultrasonic process for working any material	62	1650	7	355
8477106010	Injection molding mach., for rubber or oth. thermosetting	122	8143	4	281
106070	Injection molding mach., for thermoplastics	241	31148	45	6600
200010	Extruders for rubber or other thermosetting materials	231	8985	27	828
200050	Extruders for processing thermoplastics	505	24179	80	4605
300000	Blow molding machines	380	27326	45	1569
400000	Vacuum-molding and other thermoforming machines	4461	8509	276	1311
510010	Machines for molding or retreading pneumatic tires	567	11392	101	1894
510090	Machines for molding or otherwise forming inner tubes	242	24005	52	169
590000	Machines for molding or otherwise forming n.e.c.	775	14108	126	1853
800000	Machines for working rubber or plastics n.e.c.	2376	60689	330	6803
8479899040	Industrial robots, n.e.c.	3469	33792	450	3654
908040	Industrial robot parts	0	18705	0	1757
8537100030	Numerical controls for controlling machine tools	1281	18545	156	2214
9024100000	Machines and appliances for testing metals	0	42674	0	6300
9031100000	Machines for balancing mechanical parts	0	17901	0	1429
300000	Profile projectors	0	5466	0	948
9032810040	Industrial process control instr., hydraulic or pneumatic	388855	25860	65392	6097

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	1	881
8462100030	0	0	0	0	0	0	0	0	1	213
100050	0	0	0	0	0	0	0	0	3	260
210080	2	108	0	0	0	0	0	0	2	346
290030	0	0	0	0	0	0	0	0	1	36
290040	0	0	0	0	0	0	0	0	5	168
290050	1	6	1	90	0	0	0	0	17	261
310080	1	33	0	0	0	0	0	0	3	415
390050	0	0	0	0	0	0	0	0	8	102
410080	0	0	0	0	0	0	0	0	3	592
490050	1	3	0	0	1	63	48	604	11	141
910060	0	0	0	0	0	0	0	0	1	23
910090	1	19	0	0	0	0	0	0	11	100
990030	0	0	0	0	0	0	0	0	4	91
990040	0	0	0	0	0	0	0	0	1	183
990060	0	0	0	0	0	0	2	60	10	80
8463100080	3	34	0	0	0	0	1	125	2	9
200080	1	86	0	0	0	0	0	0	0	0
300080	1	53	0	0	0	0	40	260	2	88
900080	3	61	0	0	0	0	0	0	17	204
9800000002	2	13	0	0	0	0	2	261	52	389
9900000002	81	50	0	0	0	0	16	13	182	153
Month Tot	97	468	1	90	1	63	109	1323	337	4734
Y-T-D Tot	313	3761	38	1723	515	2157	422	4069	2572	40372
NC YTD Tot	25	1876	0	0	0	0	8	501	96	12536
C&F Month	204	722	3	97	40	1399	115	2163	920	14292
C&F Y-T-D	1545	14022	125	1920	890	17664	911	13609	6380	118834
C&F NC YTD*	39	6665	1	23	121	13900	21	2717	362	56468

Other Manufacturing Technology

1000000000	0	876	0	97	0	732	0	729	0	11807
2000000000	0	391	0	81	0	782	0	639	0	6125
2710003070	0	17	0	0	0	0	0	0	0	115
8428900010	0	0	0	0	0	0	0	0	6	120
8431390090	0	132	0	0	0	28	0	0	0	1586
8456100000	0	0	0	0	0	0	3	450	5	86
200000	0	0	0	0	1	202	0	0	2	56
8477106010	0	0	0	0	1	82	0	0	1	59
106070	0	0	3	559	0	0	0	0	9	1659
200010	0	0	0	0	0	0	0	0	25	724
200050	0	0	0	0	1	27	2	172	10	249
300000	3	56	0	0	0	0	0	0	1	251
400000	8	70	0	0	0	0	0	0	2	390
510010	0	0	0	0	7	25	4	101	3	103
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	0	0	0	0	4	213
800000	8	46	0	0	4	51	0	0	82	3929
8479899040	1	7	0	0	0	0	0	0	315	1891
908040	0	10	0	0	0	5	0	0	0	950
8537100030	1	8	1	20	3	32	1	69	6	59
9024100000	0	57	0	18	0	76	0	125	0	879
9031100000	0	4	0	0	0	0	0	0	0	271
300000	0	0	0	0	0	0	0	0	0	48
9032810040	1002	66	79	10	740	37	1	3	1523	317

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
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Metal Forming

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	352	0	0	0	0	5	25	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	3	576	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	4	162	5	130	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	546	2	28	0	0	0	0
410080	0	0	0	0	0	0	0	0	4	161
490050	0	0	0	0	5	91	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	1	26	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	3	438	0	0	0	0	0	0
990060	1	60	0	0	0	0	0	0	0	0
8463100080	0	0	1	18	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	7	49	0	0	0	0	1	28
900080	0	0	6	152	6	147	0	0	5	45
9800000002	0	0	19	99	0	0	4	1594	0	0
9900000002	0	0	37	38	28	21	0	0	17	13
Month Tot	3	412	79	1527	46	417	12	2195	27	247
Y-T-D Tot	331	10879	413	11270	326	5719	19	2246	207	5907
NC YTD Tot	3	2629	36	4031	0	0	3	576	7	750
C&F Month	15	749	179	2816	130	968	20	2202	130	3745
C&F Y-T-D	496	23130	1199	17435	904	16395	91	2384	1229	17534
C&F NC YTD*	31	10443	80	7030	10	3031	3	576	53	4195

Other Manufacturing Technology

1000000000	0	993	0	1322	0	197	0	54	0	929
2000000000	0	45	0	661	0	545	0	41	0	197
2710003070	0	0	0	0	0	0	0	19	0	0
8428900010	0	0	1	6	0	0	0	0	0	0
8431390090	0	17	0	84	0	56	0	37	0	15
8456100000	0	0	0	0	0	0	0	0	14	663
200000	0	0	0	0	0	0	0	0	1	13
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	0	0	1	242	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	0	0	1	450	13	858	0	0	2	106
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	1	7	0	0	0	0	0	0
510010	0	0	0	0	1	81	0	0	0	0
510090	0	0	4	42	0	0	0	0	0	0
590000	0	0	5	68	5	52	0	0	5	80
800000	0	0	0	0	0	0	2	36	1	8
8479899040	0	0	0	0	0	0	0	0	0	0
908040	0	0	0	20	0	0	0	0	0	6
8537100030	0	0	15	229	0	0	0	0	14	295
9024100000	0	22	0	93	0	11	0	0	0	814
9031100000	0	0	0	120	0	3	0	0	0	3
300000	0	0	0	29	0	0	0	0	0	6
9032810040	1515	76	3321	209	1855	51	0	0	2001	151

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	6	64	0	0	1	55	0	0
8462100030	5	1947	0	0	0	0	0	0	0	0
100050	0	0	2	126	0	0	0	0	0	0
210080	5	212	1	50	1	35	9	368	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	4	61	0	0
290050	4	54	19	475	0	0	17	784	0	0
310080	1	49	0	0	0	0	1	95	2	92
390050	0	0	0	0	0	0	8	85	0	0
410080	0	0	1	721	0	0	0	0	4	443
490050	2	46	0	0	10	331	4	96	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	8	141	1	85
990030	0	0	0	0	2	418	0	0	0	0
990040	0	0	0	0	0	0	2	60	0	0
990060	0	0	17	1195	0	0	23	380	0	0
8463100080	1	36	0	0	0	0	2	40	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	2	15	0	0	0	0	13	246	0	0
900080	10	250	1	36	0	0	11	129	1	43
9800000002	3	830	5	106	0	0	82	1367	0	0
9900000002	94	29	20	21	0	0	360	305	10	6
Month Tot	127	3468	72	2794	13	783	545	4212	18	668
Y-T-D Tot	1175	21929	478	22848	79	3912	3624	33205	173	4659
NC YTD Tot	24	3093	34	3443	11	653	74	4521	32	2887
C&F Month	815	7761	262	6856	150	1319	1229	7515	43	1849
C&F Y-T-D	3922	41771	1560	54445	400	5090	9497	64947	497	8366
C&F NC YTD*	84	9013	86	13163	13	784	208	12892	41	3746

Other Manufacturing Technology

1000000000	0	6298	0	1882	0	1563	0	3640	0	716
2000000000	0	500	0	376	0	136	0	1668	0	632
2710003070	0	10	0	0	0	14	0	31	0	0
8428900010	3	5	0	0	0	0	2	17	0	0
8431390090	0	57	0	87	0	30	0	163	0	88
8456100000	24	2521	0	0	4	84	0	0	3	72
200000	0	0	0	0	0	0	1	14	1	13
8477106010	0	0	0	0	0	0	1	41	0	0
106070	0	0	0	0	0	0	9	748	0	0
200010	0	0	0	0	0	0	2	105	0	0
200050	6	149	1	7	1	44	2	37	1	168
300000	1	247	0	0	0	0	5	15	0	0
400000	234	192	0	0	0	0	15	471	0	0
510010	0	0	0	0	0	0	2	3	0	0
510090	1	41	0	0	0	0	0	0	0	0
590000	37	684	5	201	10	22	3	10	0	0
800000	5	152	1	5	3	5	155	418	0	0
8479899040	24	358	0	0	0	0	0	0	12	80
908040	0	202	0	3	0	5	0	3	0	7
8537100030	3	40	7	104	0	0	3	32	5	69
9024100000	0	1278	0	549	0	19	0	154	0	21
9031100000	0	61	0	486	0	4	0	87	0	0
300000	0	544	0	4	0	0	0	4	0	0
9032810040	2035	3124	4236	216	0	0	229	22	6771	344

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
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Metal Forming

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	140	5	461	0	0	0	0	0	0
210080	0	0	0	0	0	0	1	55	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	2	113	0	0	2	62	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	2	62	0	0	0	0	0	0	0	0
410080	0	0	1	50	0	0	0	0	0	0
490050	2	11	0	0	0	0	0	0	0	0
910060	0	0	1	14	0	0	0	0	9	108
910090	1	7	7	109	0	0	0	0	0	0
990030	1	323	20	321	0	0	3	21	9	315
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	1	5	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	1	20	2	192	1	7	0	0	0	0
900080	0	0	0	0	1	25	4	65	1	99
9800000002	1	5	0	0	0	0	23	497	4	277
9900000002	74	64	0	0	24	20	12	9	10	9
Month Tot	85	744	36	1147	28	115	44	653	33	808
Y-T-D Tot	337	4016	114	4469	216	1495	263	9640	97	3237
NC YTD Tot	5	584	25	499	1	30	21	1531	1	68
C&F Month	140	1510	426	2889	156	1201	100	5477	90	849
C&F Y-T-D	1273	9186	708	8887	980	5611	759	17864	276	4423
C&F NC YTD*	18	1534	49	1498	5	1212	39	6630	3	190

Other Manufacturing Technology

1000000000	0	794	0	203	0	369	0	764	0	361
2000000000	0	190	0	150	0	245	0	163	0	244
2710003070	0	37	0	0	0	0	0	56	0	0
8428900010	0	0	0	0	1	215	0	0	0	0
8431390090	0	60	0	0	0	3	0	0	0	14
8456100000	0	0	1	18	6	169	1	18	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	2	46	0	0	0	0	1	8	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	0	0	0	0	1	7	0	0
510010	0	0	4	99	0	0	1	20	0	0
510090	0	0	0	0	42	14	0	0	0	0
590000	0	0	0	0	7	106	1	13	0	0
800000	14	554	0	0	0	0	21	41	0	0
8479899040	1	35	2	324	0	0	4	21	0	0
908040	0	4	0	24	0	55	0	265	0	0
8537100030	2	29	2	23	0	0	0	0	0	0
9024100000	0	269	0	45	0	25	0	307	0	5
9031100000	0	35	0	66	0	0	0	0	0	0
300000	0	10	0	0	0	18	0	239	0	0
9032810040	8004	137	1282	77	138	73	806	40	16915	57

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 90

Metal Forming

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	13	1333	0	0	0	0	11	695	1	47
210080	4	170	0	0	0	0	0	0	4	369
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	5	186
290050	3	20	0	0	0	0	5	114	9	181
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	2	30	0	0	0	0	1	4	5	168
910060	1	254	0	0	0	0	1	39	1	6
910090	1	32	0	0	2	39	1	11	1	9
990030	0	0	0	0	0	0	0	0	1	109
990040	0	0	0	0	0	0	1	10	0	0
990060	0	0	0	0	1	17	3	32	0	0
8463100080	5	156	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	6	213	0	0	0	0	18	1381	7	139
900080	10	80	0	0	1	46	10	184	7	1289
9800000002	7	42	0	0	0	0	3	27	16	247
9900000002	55	36	0	0	4	4	86	80	116	64
Month Tot	107	2365	0	0	8	105	140	2577	173	2813
Y-T-D Tot	1444	26092	19	695	167	968	1026	16013	1654	33142
NC YTD Tot	35	3792	1	136	3	79	11	1239	50	4900
C&F Month	581	4879	8	466	17	319	237	4256	671	7308
C&F Y-T-D	4247	58610	42	4402	664	4840	2583	39380	6404	59867
C&F NC YTD*	179	25333	1	136	9	493	43	6531	138	15006

Other Manufacturing Technology

1000000000	0	4797	0	0	0	1402	0	5325	0	6670
2000000000	0	1878	0	31	0	413	0	2051	0	3774
2710003070	0	0	0	0	0	11	0	39	0	198
8428900010	9	91	0	0	0	0	6	61	1	130
8431390090	0	112	0	439	0	20	0	79	0	2436
8456100000	2	47	1	17	0	0	9	1595	7	127
200000	0	0	0	0	0	0	1	57	0	0
8477106010	1	99	0	0	0	0	0	0	0	0
106070	0	0	19	3059	1	120	2	122	1	91
200010	0	0	0	0	0	0	0	0	0	0
200050	0	0	33	2232	0	0	0	0	4	52
300000	0	0	0	0	0	0	15	250	20	751
400000	1	10	0	0	1	19	0	0	13	145
510010	1	73	0	0	2	43	8	50	68	1296
510090	0	0	0	0	0	0	0	0	5	72
590000	21	325	0	0	0	0	1	17	22	61
800000	2	21	0	0	7	11	8	987	17	539
8479899040	0	0	0	0	0	0	88	833	3	105
908040	0	56	0	0	0	0	0	65	0	79
8537100030	56	644	0	0	0	0	25	376	12	185
9024100000	0	792	0	0	0	0	0	398	0	342
9031100000	0	47	0	0	0	0	0	24	0	219
300000	0	0	0	0	0	0	0	0	0	46
9032810040	5602	490	1	4	124	26	5535	332	1677	237

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 90

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	3	242	0	0	3	242
Denmark	7	316	1	9	8	325
East Germany	0	0	0	0	0	0
Finland	8	17	3	106	11	122
Greece	0	0	6	1318	6	1318
Hungary	3	190	0	0	3	190
Iceland	0	0	0	0	0	0
Ireland	7	127	5	120	12	247
Luxembourg	0	0	0	0	0	0
Norway	6	75	7	11	13	85
Poland	0	0	0	0	0	0
Portugal	1	1194	6	5	7	1199
Romania	0	0	0	0	0	0
Sweden	10	58	4	78	14	136
Turkey	28	141	0	0	28	141
Yugoslavia	0	0	0	0	0	0
Oth Europe	0	0	0	0	0	0
TOTAL	1439	17158	469	10444	1908	27602
NORTH AND CENTRAL AMERICA						
Bahamas	1	15	0	0	1	15
Barbados	0	0	0	0	0	0
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	41	101	0	0	41	101
Dominican Rep	0	0	7	6	7	6
El Salvador	0	0	0	0	0	0
Guatemala	3	7	0	0	3	7
Haiti	0	0	2	5	2	5
Honduras	3	30	3	27	6	58
Jamaica	0	0	4	369	4	369
Panama	2	3	2	80	4	83
Trinidad	6	24	1	41	7	66
Oth N & C Am.	3	15	55	7	58	22
TOTAL	1326	13057	956	9481	2282	22538
SOUTH AMERICA						
Argentina	5	3	2	34	7	37
Bolivia	0	0	0	0	0	0
Chile	19	478	3	68	22	546
Colombia	51	117	13	9	64	126
Ecuador	2	56	0	0	2	56
Paraguay	0	0	0	0	0	0
Peru	1	32	16	13	17	45
Uruguay	0	0	0	0	0	0
Oth South Am.	1	6	0	0	1	6
TOTAL	94	1745	151	1553	245	3298
OCEANIA						
New Zealand	11	17	3	10	14	27
Oth Oceania	0	0	0	0	0	0
TOTAL	118	271	100	478	218	749

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 90

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	152	275	7	229	159	504
Iran	0	0	1	29	1	29
Iraq	0	0	0	0	0	0
Israel	7	114	5	11	12	125
Jordan	1	3	0	0	1	3
Kuwait	2	43	0	0	2	43
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	1	3	0	0	1	3
Pakistan	0	0	0	0	0	0
Philippines	47	113	11	44	58	157
Qatar	0	0	0	0	0	0
Saudi Arabia	25	58	4	141	29	200
Sri Lanka	0	0	0	0	0	0
Syria	1	5	0	0	1	5
United Arab Emr	5	35	0	0	5	35
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	1528	16066	463	12730	1991	28796
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	11	198	0	0	11	198
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0
South Africa	22	354	1	37	23	391
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	1	6	1	6
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	2	29	0	0	2	29
TOTAL	35	582	2	43	37	624

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

RELEASED: October 3, 1990

U.S. IMPORTS - Metal Cutting Machine Tools - July 90

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301010	Traveling wire electro-discharge machines, NC *	524	33319	29	1880
301050	Electro-discharge machines, n.e.c., NC	188	11186	65	3951
301070	Electro-discharge machines, n.e.c., non-NC	234	4796	36	804
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	1377	107497	196	14522
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	81	16486	13	2552
100035	Horiz. mach. ctrs., ATC	403	89557	42	10601
100045	Mach. ctrs., n.e.c.	136	34470	21	18649
200010	Unit construction mach. (single station transfer), NC	14	1447	0	0
200090	Unit construction mach. (single station transfer), non-NC	1	361	0	0
300010	Multi-station transfer machines, NC	30	10634	1	2346
300090	Multi-station transfer machines, non-NC	60	23229	10	5248
8458110010	Horiz. lathes, multiple spindle, NC	169	27877	24	3470
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1456	102314	230	15567
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	336	47867	47	6316
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	36	11140	5	2131
190030	Horiz. engine or toolroom lathes, non-NC	2581	27752	468	4356
190050	Automatic bar and/or chucking mach., single spindle, non-NC	614	11784	78	1111
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	89	6715	7	595
190090	Horiz. lathes, n.e.c., non-NC	1072	9884	113	934
911060	Vertical turret lathes, multiple spindle, NC	20	3553	1	250
911080	Vertical turret lathes, n.e.c., NC	27	6899	6	1670
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	0	0	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	51	5291	21	1797
991050	Vertical turret lathes, non-NC	66	2904	2	362
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	690	13698	131	1656
8459100000	Way-type unit head machines	2	1488	2	1488
210080	Other drilling machines, NC	197	12468	44	2587
290040	Drilling machines, multiple spindle, non-NC	56	1339	0	0
290050	Drilling machines, radial, non-NC	304	2242	90	584
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	53	630	8	62
290090	Drilling machines, n.e.c., non-NC	322	10885	78	4291
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	4	663	1	224
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	44	6642	12	3388
310070	Boring-milling mach., n.e.c., NC	22	832	2	3
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	26	1863	8	328
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	74	4241	25	2658
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	36	1093	2	48
400070	Boring machines, n.e.c., NC	27	3282	1	166
400080	Boring machines, n.e.c., non-NC	136	4692	37	853
510080	Milling machines, knee type, NC	384	5911	39	951
590030	Milling machines, knee type, non-NC	2138	14795	208	1818
610080	Milling machines, excl. knee type, n.e.c., NC	363	14336	192	3482
690050	Milling machines, profile, dup., or die sinking, non-NC	33	344	0	0
690070	Milling machines, bed type, non-NC	39	2042	0	0
690090	Milling machines, n.e.c., non-NC	487	12879	119	3631
700020	Threading or tapping machines, n.e.c., NC	101	5219	16	834
700080	Threading or tapping machines, n.e.c., non-NC	106	2790	10	323
8460110080	Flat surface grinding mach., NC	90	7792	11	999
190010	Flat surface grinding mach., recip.-table type, non-NC	654	8440	168	2118
190050	Flat surface grinding mach., n.e.c., non-NC	1149	11870	81	1051
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	296	51310	68	12308
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	297	10840	25	2690
290030	Grinding mach., internal cylindrical, non-NC	144	7524	81	2824
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	765	26599	94	7161
310080	Sharpening machines (tool & cutter grinding), NC	133	3217	11	671
390050	Sharpening machines (tool & cutter grinding), non-NC	516	5986	87	857
400060	Honing or lapping machines, NC	26	3359	4	1110
400080	Honing or lapping machines, non-NC	142	4952	17	813
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	29	1487	4	143
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	864	26012	129	5686
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	3	40	0	0
200010	Shaping or slotting machines, NC	68	2347	0	0
200090	Shaping or slotting machines, non-NC	134	3108	13	1420
300060	Broaching machines, NC	3	7114	0	0
300080	Broaching machines, non-NC	58	1621	0	0
401020	Gear cutting for bevel gears	0	0	0	0
401030	Gear hobbers	86	6554	7	1348
401040	Gear shapers	15	3521	3	317
401060	Gear cutting machines, n.e.c.	73	557	8	134
405050	Gear grinding or finishing for bevel gears	57	891	2	265
405070	Gear grinding or finishing machines, n.e.c.	55	13593	8	1897
500050	Sawing or cutting-off machines, NC	62	3790	5	569
500090	Sawing or cutting-off machines, non-NC	1243	18026	235	3493
9000000001	Metal cutting machine tools, n.e.c.	225	8325	22	2707
9800000001	Used or rebuilt machine tools	3311	18953	1449	3874
9900000001	Machine tools valued at less than $2,500	524192	55058	73430	7756
	Cutting Total			78402	190705
	Y-T-D Cutting Total	549899	1034221		
	NC Y-T-D Cutting Total	6708	640687		

Please see notes on last page of the metal forming section.

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	2	305	0	0
8457100015	0	0	0	0	0	0	1	132	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	2	330	0	0
110050	0	0	0	0	0	0	2	289	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	1	31	4	45	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	34	175	0	0	0	0	0	0
911060	0	0	0	0	1	250	0	0	0	0
911080	0	0	0	0	1	47	1	840	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	21	83	6	77	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	7	58	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	2	320	5	2326	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	19
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	9
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	2	48	0	0	17	278
510080	0	0	0	0	0	0	0	0	1	13
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	2	856
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	7	2422
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	2	6	1	3	0	0
8460110080	0	0	0	0	0	0	0	0	1	76
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	1	60	0	0	0	0
210080	0	0	0	0	1	241	0	0	7	634
290010	0	0	0	0	6	43	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	1	4	0	0	4	239	0	0	3	11
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	4	0	0	1	21
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	6	70	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	4	67	0	0	11	238
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	6	16	1	67	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	1	25	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	15	309	2	40	35	220
9000000001	0	0	0	0	2	14	4	1100	0	0
9800000001	0	0	0	0	13	109	0	0	1	3
9900000001	14	8	0	0	14	23	70	104	3198	668
Month Tot	15	12	63	348	92	2012	91	5537	3286	5467
Y-T-D Tot	42	1027	1600	9002	1003	14097	1200	18255	23377	37160
NC YTD Tot	2	110	2	464	29	3197	57	8038	86	11783

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - July 90

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	22	1282	0	0	0	0	0	0	0	0
301050	27	1873	0	0	0	0	0	0	0	0
301070	1	15	0	0	0	0	0	0	0	0
8457100015	93	9355	6	265	17	833	7	299	0	0
100025	11	2346	0	0	0	0	0	0	0	0
100035	34	8822	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	2	687
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	1	2346	0	0	0	0	0	0	0	0
300090	5	2771	0	0	0	0	0	0	0	0
8458110010	20	3050	0	0	0	0	0	0	0	0
110030	185	13174	1	47	0	0	0	0	0	0
110050	41	5834	0	0	0	0	0	0	0	0
110090	3	719	0	0	0	0	1	108	0	0
190030	2	61	0	0	23	299	26	295	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	3	173	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	3	689	1	95	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	9	933	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	1	117	0	0	0	0	30	143	0	0
8459100000	0	0	0	0	0	0	1	1413	0	0
210080	38	1857	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	2	95	13	37
290070	0	0	0	0	0	0	2	11	0	0
290090	6	299	0	0	0	0	42	876	20	74
310010	1	224	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	1	166	0	0	0	0	0	0	0	0
400080	4	387	0	0	0	0	0	0	0	0
510080	1	139	0	0	0	0	0	0	0	0
590030	1	29	0	0	0	0	124	1013	2	106
610080	5	1678	0	0	2	80	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	10	534	0	0	0	0	5	117	0	0
700020	15	492	0	0	0	0	0	0	0	0
700080	6	297	0	0	0	0	0	0	0	0
8460110080	6	900	0	0	0	0	0	0	0	0
190010	2	628	0	0	40	538	0	0	0	0
190050	11	313	0	0	0	0	1	7	0	0
210080	30	5381	0	0	0	0	0	0	1	562
290010	3	361	0	0	0	0	0	0	1	167
290030	3	1560	0	0	0	0	0	0	0	0
290050	26	3496	0	0	0	0	0	0	0	0
310080	2	228	0	0	0	0	0	0	0	0
390050	5	40	0	0	0	0	0	0	0	0
400060	3	301	0	0	0	0	0	0	0	0
400080	2	313	0	0	0	0	0	0	0	0
900060	1	90	0	0	0	0	0	0	0	0
900080	55	2637	0	0	0	0	2	230	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	6	1337	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	1	270	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	5	830	0	0	0	0	0	0	0	0
500050	4	549	0	0	0	0	0	0	0	0
500090	34	1589	0	0	0	0	6	60	0	0
9000000001	4	308	0	0	0	0	0	0	0	0
9800000001	683	1740	0	0	6	20	0	0	0	0
9900000001	1349	335	2205	196	12	2	0	0	355	350
Month Tot	2784	82869	2213	603	100	1772	249	4666	394	1982
Y-T-D Tot	32934	502608	6362	11164	669	12556	1424	16265	1603	8705
NC YTD Tot	3900	425090	98	6532	124	6376	84	1819	13	3906

Please see notes on last page of the metal forming section.

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	7	598	0	0	0	0	0	0	0	0
301050	14	881	0	0	16	882	0	0	8	315
301070	20	302	9	54	2	55	2	73	0	0
8457100015	0	0	9	518	30	1935	7	512	26	673
100025	0	0	2	207	0	0	0	0	0	0
100035	0	0	0	0	0	0	8	1779	0	0
100045	0	0	0	0	0	0	8	17510	11	453
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	1	58	0	0	0	0	4	2419	0	0
8458110010	0	0	3	130	0	0	1	290	0	0
110030	0	0	12	682	18	939	0	0	12	394
110050	0	0	4	192	0	0	0	0	0	0
110090	0	0	0	0	0	0	1	1304	0	0
190030	0	0	106	971	29	529	0	0	277	2125
190050	6	683	52	366	0	0	0	0	20	62
190070	4	574	3	21	0	0	0	0	0	0
190090	0	0	19	95	15	299	0	0	42	193
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	6	311	0	0	0	0	0	0	6	552
991050	2	362	0	0	0	0	0	0	0	0
995090	0	0	3	106	8	138	1	631	61	362
8459100000	0	0	0	0	1	75	0	0	0	0
210080	0	0	0	0	0	0	6	730	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	17	112	0	0	0	0	51	281
290070	0	0	0	0	0	0	6	51	0	0
290090	0	0	1	13	0	0	2	383	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	1	908	11	2480	0	0
310070	0	0	0	0	0	0	2	3	0	0
390040	0	0	0	0	0	0	1	40	7	288
390050	0	0	0	0	0	0	16	2571	8	68
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	39
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	12	90	2	50
510080	0	0	25	201	3	162	4	375	5	61
590030	2	152	40	307	0	0	1	94	38	117
610080	0	0	20	269	0	0	156	456	7	142
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	91	485	0	0	1	15	5	57
700020	0	0	0	0	0	0	1	342	0	0
700080	0	0	0	0	1	16	0	0	0	0
8460110080	0	0	1	4	3	19	0	0	0	0
190010	0	0	102	887	0	0	16	43	8	22
190050	2	31	58	551	4	62	0	0	4	37
210080	6	1258	0	0	1	114	22	4118	0	0
290010	10	1179	0	0	2	94	3	845	0	0
290030	5	645	0	0	0	0	52	434	21	186
290050	3	26	2	12	6	74	43	3183	6	115
310080	2	59	0	0	0	0	6	308	1	76
390050	10	213	37	188	15	118	11	226	7	48
400060	0	0	0	0	0	0	1	810	0	0
400080	1	13	0	0	3	10	5	408	0	0
900060	0	0	0	0	0	0	1	45	2	8
900080	0	0	0	0	20	139	23	2283	14	93
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	4	1321	3	26
401040	0	0	0	0	0	0	0	0	2	47
401060	0	0	0	0	5	87	1	25	2	22
405050	0	0	0	0	0	0	0	0	1	240
405070	2	1059	0	0	0	0	1	8	0	0
500050	0	0	0	0	0	0	1	20	0	0
500090	1	83	7	29	4	13	39	537	92	614
9000000001	4	685	1	6	0	0	6	465	1	130
9800000001	5	125	47	82	667	1448	20	306	7	41
9900000001	251	7	57892	5087	72	73	306	186	7692	717
Month Tot	364	9305	58563	11572	926	8188	812	47718	8450	8653
Y-T-D Tot	1322	51010	397135	77014	4073	61622	9676	170473	67479	43263
NC YTD Tot	266	17826	602	18002	495	40708	626	84148	324	12686

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 90

RELEASED: October 3, 1990

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	277	11469	58	771
8462100030	Headers and upsetters, including cold headers	100	8370	13	828
100050	Forging or die stamping machines, and hammers, n.e.c.	497	29003	77	5891
210080	Bending, folding, straight. or flat. mach., incl presses, NC	352	17704	31	1963
290030	Press brakes, non-NC	188	5357	31	1027
290040	Bending rolls, non-NC	68	1873	4	163
290050	Bending, folding, straight., or flat., n.e.c., non-NC	742	23459	96	2931
310080	Shearing machines, NC	46	2772	6	778
390050	Shearing machines, non-NC	353	10430	57	3184
410080	Punching or notching mach., incl. comb. punch & shear, NC	218	22728	19	2846
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	435	7982	56	1359
910060	Hydraulic presses, NC	12	3371	0	0
910090	Hydraulic presses, non-NC	1109	9904	173	1093
990030	Presses, n.e.c., NC	46	3732	1	52
990035	Mechanical transfer presses, non-NC	10	9075	0	0
990045	Mechanical presses, n.e.c., non-NC	65	3386	8	1506
990060	Presses, n.e.c., non-NC	468	20799	99	4184
8463100080	Draw benches for bars, tubes, profiles, wire or the like	39	2155	8	255
200080	Thread rolling machines	59	3170	14	346
300080	Machines for working wire	893	42906	79	5111
900080	Metal forming machine tools, n.e.c.	362	18500	138	4755
9800000002	Used or rebuilt machine tools	749	11621	101	1692
9900000002	Machine tools valued at less than $2,500	9482	3522	1209	536
	Forming Total			2278	41271
	Y-T-D Forming Total	16570	273289		
	NC Y-T-D Forming Total	674	50307		
	Cutting and Forming Totals:				
	Monthly Total			80680	231976
	Y-T-D Total	566469	1307510		
	NC Y-T-D Total	7382	690994		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	328416	0	48413
2000000000	Parts for working rubber or plastics - heading 8477	0	196802	0	30890
2710003070	Quenching or cutting oils	0	267	0	40
8428900010	Industrial robots for lifting, handling, loading or unload	1344	25170	95	1083
8431390080	Parts industrial robots, handling and loading - heading 8428	0	56730	0	12288
8456101010	Laser, light or photon beam for working metal, NC	112	20967	20	4106
101020	Laser, light or photon beam for working metal, non-NC	50	2804	7	680
105000	Laser, light or photon beam for other materials	98	3618	32	3
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	6	82	0	0
205000	Ultrasonic processes for working other materials	6	194	1	7
8477103000	Injection molding mach., for manufacturing shoes	100	2066	2	7
106010	Injection molding mach., for rubber or oth. thermosetting	489	39078	58	4903
106050	Injection molding mach., for thermoplastics	1533	144099	227	20267
200010	Extruders for rubber or other thermosetting materials	127	8732	21	1165
200050	Extruders for processing thermoplastics	617	36700	150	4422
300000	Blow molding machines	241	27665	29	7747
400000	Vacuum-molding and other thermoforming machines	124	2940	12	739
510010	Machines for molding or retreading pneumatic tires	377	31737	20	3806
510090	Machines for molding or otherwise forming inner tubes	248	10230	52	1069
590000	Machines for molding or otherwise forming n.e.c.	571	38027	44	2680
800000	Machines for working rubber or plastics n.e.c.	7657	61747	2209	6201
8479899040	Industrial robots, n.e.c.	11494	42727	1117	4383
908040	Industrial robot parts	0	19635	0	3826
8537100030	Numerical controls for controlling machine tools	8399	28551	628	2642
9024100000	Machines and appliances for testing metals	0	6969	0	775
9031100000	Machines for balancing mechanical parts	0	7644	0	815
300000	Profile projectors	0	3661	0	682
9032810020	Industrial process control instr., hydraulic	93654	1309	13925	192
810060	Industrial process control instr., pneumatic	185857	2970	87126	370

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 90

Metal Forming

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	4	389	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	2	7
100050	0	0	0	0	8	458	0	0	1	240
210080	0	0	0	0	3	504	0	0	5	89
290030	11	330	0	0	15	594	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	4	0	0	21	900	11	162	12	269
310080	3	109	0	0	0	0	0	0	1	236
390050	16	300	0	0	4	109	0	0	4	17
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	2	205	0	0	11	48
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	5	414	2	4	4	109
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	22	1375	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	11	710	0	0	0	0	8	139	4	983
900080	0	0	0	0	7	1377	1	7	3	490
9800000002	12	198	0	0	36	338	0	0	0	0
9900000002	0	0	0	0	0	0	0	0	388	124
Month Tot	54	1650	0	0	127	6663	22	312	435	2614
Y-T-D Tot	398	16358	0	0	1162	37304	235	2456	1297	25808
NC YTD Tot	38	3210	0	0	28	1456	2	20	52	1326
C&F Month	69	1662	63	348	219	8674	113	5850	3721	8081
C&F Y-T-D	440	17385	1600	9002	2165	51401	1435	20710	24674	62967
C&F NC YTD	40	3320	2	464	57	4653	59	8058	138	13109

Other Manufacturing Technology

1000000000	0	1219	0	19	0	3730	0	786	0	1923
2000000000	0	180	0	0	0	5886	0	2122	0	1453
2710003070	0	0	0	0	0	28	0	0	0	0
8428900010	1	52	0	0	1	15	0	0	0	0
8431390080	0	15	0	215	0	1378	0	243	0	147
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	2	445	2	381	1	75
106050	0	0	0	0	33	5589	1	101	11	1145
200010	0	0	0	0	0	0	1	137	0	0
200050	1	220	0	0	9	167	0	0	1	118
300000	0	0	0	0	1	140	7	5545	2	1073
400000	0	0	0	0	0	0	0	0	0	0
510010	0	0	0	0	3	127	0	0	0	0
510090	0	0	0	0	2	5	0	0	0	0
590000	0	0	0	0	9	698	0	0	4	212
800000	28	102	0	0	17	154	6	88	18	1304
8479899040	0	0	0	0	29	89	3	45	0	0
908040	0	0	0	0	0	41	0	16	0	189
8537100030	0	0	0	0	0	0	0	0	0	0
9024100000	0	4	0	0	0	349	0	0	0	0
9031100000	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
9032810020	0	0	0	0	4	13	0	0	0	0
810060	0	0	0	0	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	50	322	0	0	0	0	0	0	0	0
8462100030	10	481	0	0	0	0	0	0	0	0
100050	28	4580	0	0	0	0	0	0	0	0
8462210080	15	947	0	0	0	0	0	0	1	285
290030	2	54	0	0	0	0	0	0	0	0
290040	1	6	0	0	0	0	0	0	1	130
290050	10	828	0	0	0	0	0	0	14	130
310080	2	433	0	0	0	0	0	0	0	0
390050	17	2558	0	0	0	0	0	0	2	37
410080	6	732	0	0	0	0	0	0	0	0
490050	19	839	0	0	0	0	13	166	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	7	473	0	0	0	0	0	0	0	0
990030	1	52	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	3	1425	0	0	0	0	0	0	0	0
990060	33	2012	0	0	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	13	208	0	0	0	0	1	138	0	0
300080	41	1809	0	0	0	0	0	0	0	0
900080	22	335	0	0	0	0	0	0	0	0
9800000002	16	86	0	0	0	0	0	0	0	0
9900000002	47	75	0	0	35	8	5	6	10	18
Month Tot	343	18257	0	0	35	8	19	311	28	599
Y-T-D Tot	2794	105903	11	124	78	65	306	2811	444	4903
NC YTD Tot	305	23443	0	0	0	0	0	0	4	724
C&F Month	3127	101126	2213	603	135	1780	268	4977	422	2582
C&F Y-T-D	35728	608511	6373	11288	747	12621	1730	19076	2047	13609
C&F NC YTD	4205	448533	98	6532	124	6376	84	1819	17	4630

Other Manufacturing Technology

1000000000	0	12654	0	54	0	540	0	331	0	1050
2000000000	0	3528	0	114	0	55	0	108	0	16
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	52	707	0	0	0	0	0	0	6	215
8431390080	0	1471	0	0	0	0	0	6	0	89
8456101010	13	3159	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103080	0	0	0	0	0	0	0	0	0	0
106010	31	2722	0	0	0	0	0	0	0	0
106050	76	5508	0	0	1	14	0	0	0	0
200010	8	479	0	0	0	0	0	0	0	0
200050	11	1338	0	0	0	0	0	0	2	50
300000	11	252	0	0	0	0	0	0	0	0
400000	9	711	0	0	0	0	0	0	0	0
510010	10	1787	0	0	0	0	0	0	0	0
510090	4	698	0	0	0	0	0	0	0	0
590000	4	663	0	0	0	0	0	0	0	0
800000	2020	1253	0	0	0	0	0	0	0	0
8479899040	1048	3125	1	2	0	0	1	16	11	523
908040	0	1331	0	0	0	0	0	2	0	108
8537100030	624	2636	0	0	0	0	0	0	0	0
9024100000	0	143	0	0	0	0	0	0	0	0
9031100000	0	754	0	8	0	0	0	0	0	0
300000	0	259	0	0	0	0	0	0	0	0
9032810020	0	0	2500	17	0	0	0	0	0	0
810060	270	12	74500	120	0	0	0	0	1151	146

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 90

Metal Forming

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	2	34	2	26	0	0	0	0
8462100030	0	0	0	0	0	0	1	340	0	0
100050	0	0	3	28	13	102	20	413	4	70
210080	0	0	0	0	0	0	7	137	0	0
290030	0	0	0	0	0	0	0	0	3	49
290040	0	0	2	27	0	0	0	0	0	0
290050	4	185	4	89	3	106	5	210	11	48
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	7	59	2	23	5	81
410080	1	313	1	113	0	0	9	1301	2	387
490050	1	3	0	0	0	0	9	93	1	3
910060	0	0	0	0	0	0	0	0	0	0
910090	2	46	151	22	0	0	0	0	2	24
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	1	67	4	14	0	0
990060	0	0	7	275	29	112	7	277	1	132
8463100080	0	0	0	0	0	0	8	255	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	6	1066	1	50	4	21	4	333	0	0
900080	4	124	0	0	11	88	86	2258	4	76
9800000002	3	326	18	50	4	33	10	647	2	13
9900000002	0	0	617	182	16	5	35	34	56	83
Month Tot	21	2062	806	869	90	621	207	6336	91	969
Y-T-D Tot	735	14330	4561	6574	615	7961	1360	39859	2574	8834
NC YTD Tot	19	2922	6	920	5	142	179	12671	36	3473
C&F Month	385	11367	59369	12442	1016	8809	1019	54053	8541	9622
C&F Y-T-D	2057	65340	401696	83588	4688	69582	11036	210332	70053	52096
C&F NC YTD	285	20748	608	18922	500	40850	805	96819	360	16159

Other Manufacturing Technology

1000000000	0	4089	0	1627	0	5214	0	11906	0	3272
2000000000	0	764	0	381	0	788	0	13546	0	1948
2710003070	0	0	0	0	0	0	0	12	0	0
8428900010	35	94	0	0	0	0	0	0	0	0
8431390080	0	190	0	167	0	2481	0	4330	0	955
8456101010	4	296	0	0	1	176	1	387	1	87
101020	0	0	0	0	0	0	7	680	0	0
105000	0	0	0	0	0	0	0	0	32	3
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	1	7
8477103000	0	0	0	0	0	0	2	7	0	0
106010	1	104	0	0	1	26	9	753	11	397
106050	6	878	10	490	12	173	71	3320	6	3049
200010	5	326	3	21	1	104	2	69	1	30
200050	0	0	5	129	3	104	118	2296	0	0
300000	0	0	5	21	0	0	2	652	1	65
400000	0	0	1	4	0	0	2	24	0	0
510010	0	0	0	0	1	7	1	1477	5	408
510090	0	0	0	0	0	0	45	354	1	12
590000	0	0	0	0	10	9	8	667	9	431
800000	3	123	20	155	5	117	82	2678	10	226
8479899040	2	228	0	0	0	0	2	259	20	97
908040	0	200	0	0	0	277	0	1599	0	64
8537100030	0	0	0	0	0	0	2	5	2	1
9024100000	0	23	0	0	0	123	0	125	0	8
9031100000	0	0	0	3	0	9	0	40	0	1
300000	0	1	0	0	0	355	0	5	0	62
9032810020	215	3	0	0	3000	14	6	3	8200	142
810060	0	0	10892	29	10	3	16	6	287	54

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 90

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	200	1464	1	2	201	1466
Bulgaria	0	0	0	0	0	0
Czechoslovakia	5	204	0	0	5	204
Denmark	89	336	12	18	101	354
East Germany	6	75	0	0	6	75
Finland	0	0	5	435	5	435
Hungary	0	0	0	0	0	0
Ireland	11	10	1	4	12	14
Luxembourg	0	0	0	0	0	0
Netherlands	9	342	2	24	11	366
Norway	1	2	0	0	1	2
Poland	51	783	0	0	51	783
Portugal	37	130	8	125	45	255
Romania	0	0	0	0	0	0
USSR	1	39	1	9	2	49
Yugoslavia	92	1064	1	132	93	1196
Oth Europe	14	470	1	7	15	477
TOTAL	6653	87795	908	15262	7561	103057
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	8	63	41	82	49	145
Oth N & C Am.	0	0	0	0	0	0
TOTAL	100	2074	168	6745	268	8819
SOUTH AMERICA						
Argentina	0	0	0	0	0	0
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	63	348	0	0	63	348
OCEANIA						
Australia	47	162	4	76	51	238
New Zealand	0	0	0	0	0	0
Oth Oceania	0	0	0	0	0	0
TOTAL	47	162	4	76	51	238

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 90

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	5367	2054	3	49	5370	2104
Hong Kong	2404	102	0	0	2404	102
India	10	51	1	2	11	53
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	84	750	0	0	84	750
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	14	551	0	0	14	551
Oth Asia	0	0	0	0	0	0
TOTAL	71539	100325	1188	19186	72727	119511
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	10	3	10	3
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	10	3	10	3

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* Includes code 8456301030, Traveling wire electro-discharge machines, non-NC.